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5 January 1970

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Document Review - Operational Handbook for Evaluation of Original Negative

25X1A Reference:

1. Following is the results of my initial analysis of the referenced document. As Technical Monitor, I have reviewed the document with respect to its compliance with the contract, technical content and utility.

2. General Comments

2.1 The "key word index" agreed to by the contractor was omitted.

[ ] stated that [ ] ran out of time and money.

However, the contractor did not request permission to delete the section prior to delivery.

2.2 A great deal of data presentation depicted in Chart III will require extensive in-house research and computer programming.

2.3 Document is fraught with typographical errors.

2.4 Plans for O.N. (negative) flow chart were apparently abandoned. It was agreed to but does not appear.

2.5 Data presentation (proposed report formats) are too general and overall mission oriented to be ideal for APSD's purposes.

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DECLASS REVIEW BY NGA / DoD

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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- 2.6 Promises by [ ] to interface the subjective aspects of analysis are not in evidence. One of the few references to subjectivity is in Chapter III (Page 52) where it states that there is little correlation with objective measures.
- 2.7 Except for spread function calculations, Chart IV deals with undeveloped programs and values.

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3. Report Utilization

- 3.1 NPIC should not endeavor to implement the entire program; rather, the various analysis and procedures should be implemented on an ad hoc basis with the exception of those items deemed to be routinely pertinent.
- 3.2 APSD should immediately inventory their ability to implement the recommended analysis techniques. An indication should be made on each operational block as

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to whether APSD is currently capable of implementing the stated procedure.

3.3 Management should study current capability with respect to APSD's goals and decide on which courses of analysis are appropriate in the APSD's inventory of evaluation techniques.

3.4 Procedure of software development must be flow charted (time referenced) and initiated with serious consideration of adopting [ ] programs to NPIC use (functions here based on decisions referenced in Paragraph 3.3, above).

3.5 Within APSD's existing capability, studies should be conducted to test correlation of objective analysis. This procedure must be flow charted and pursued on a priority basis. As new capabilities are achieved, in-house testing should be initiated; always to insure that APSD understands the significance of the data being generated and that APSD never generates data for the sake of data generation alone.

3.6 The handbook should immediately be made available to the working technologist for daily reference.

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- 3.7 The document should be used by: upper management; middle management; first line supervisors; photoscience project officers; densitometric technologists; photoscience trainees and by NPIC evaluation customers.
- A. For upper management, the document illustrates the entire analysis scheme in flow diagram form. Through it they will better understand the associated personnel and equipment requirements of the operating components. In addition, the document clearly displays the requirement for absolute interfaces between the photoscience and computer disciplines.
- B. Middle management will better understand, through this document, the interrelationships of the analysis being conducted under their management. It will also serve as a rather complete reference in the everyday procedures at the Division level. It also is applicable as a planning guide in the charting of the future of the division. It is also a good talk piece providing a means of communication and common understanding between the middle manager and those above him, as well as those under his supervision.

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- C. First line supervisors should be a prime benefactor of the document. It will serve as a daily desk guide to planning the best approach to the problem at hand. It serves not only to define the most appropriate course of action but also as an aid in estimating manhour commitments and delivery date potentials. It also serves, at this level, as a communication medium providing a common reference from manager to technologist and planner and to requestors (customers).
- D. The photoscience charged with carrying out the analysis and correlating all facets of the evaluation should benefit most from the document. It provides a flow chart for the analysis being conducted, serves as a photoscience reference, explains the interrelationship of the procedures within the overall analysis scheme and serves as a medium for communication between he and the densitometric technologist generating the data. The handbook also provides an extensive bibliography for in-depth study of many facets of photoscience. Examples of actual APSD projects where the document could be employed are included in Paragraph 4 of this memorandum.

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- E. Densitometric technologists will find in this document a means of understanding the specific goals of the project officer and will therefore be able to better communicate and lend assistance to the analysis. It also provides a detailed flow chart for the instrument man to follow and spells out the mathematical functions necessary for utilization of the data generated densitometrically.
- F. Training in the field of photoscience is covered throughout the document. However, Chapter II specifically deals with training; it indicates the purpose and logic of the various analytical techniques employed.
- G. NPIC evaluation requestors (customers) are provided here with a vivid description of the interrelationships of the various types of objective analysis available to them. It also provides a solid basis of communication between them and the APSD.

4. Project Applications

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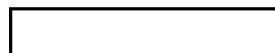
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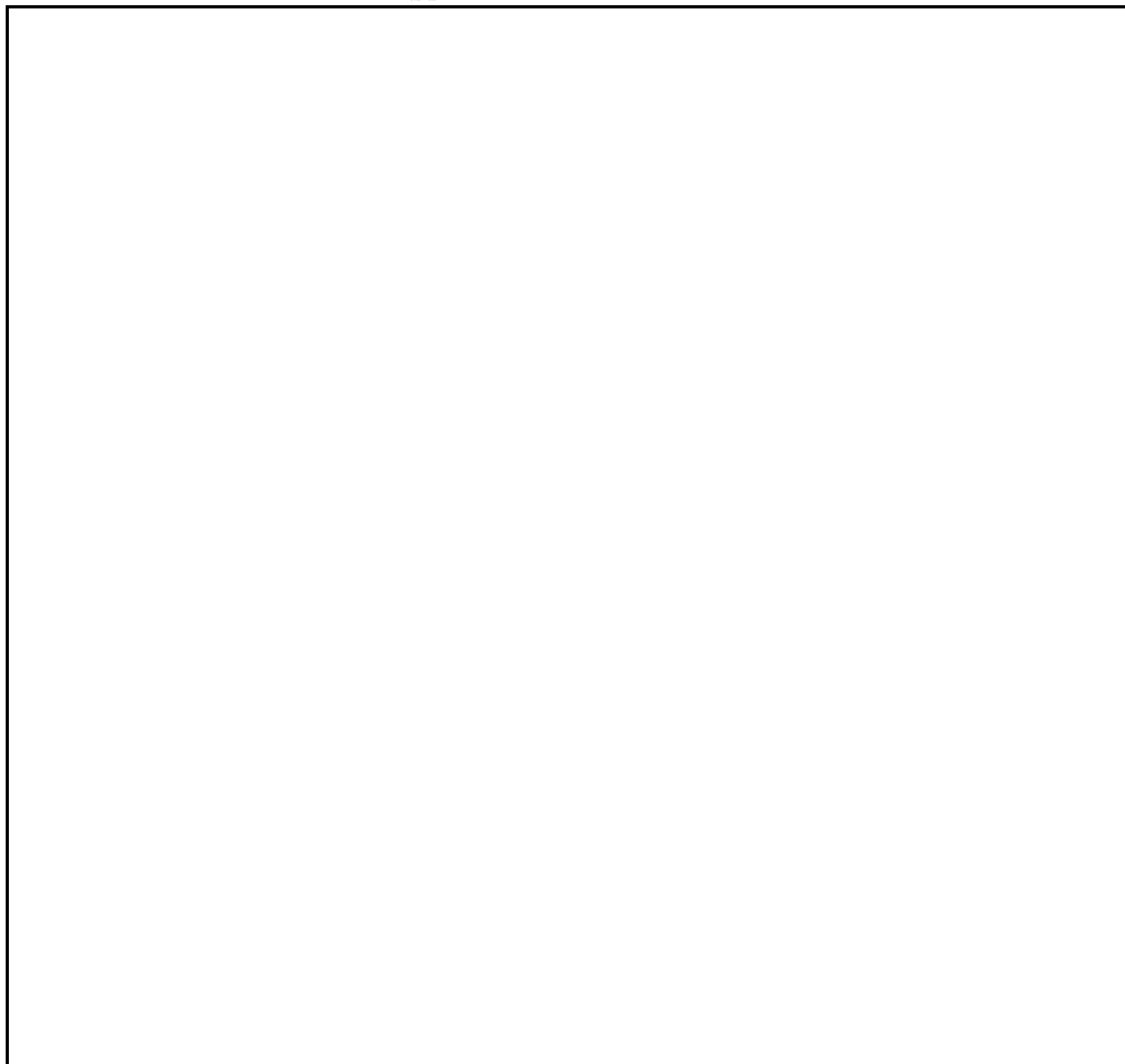
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4.1 Following is a sampling of actual APSD projects where portions of the analysis scheme documented in the handbook could have been applicable and where it should be studied for future application.

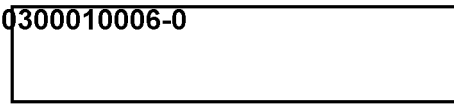


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4.2 While the above is but a sampling of probable applications of the referenced document, it should also be understood that in-depth knowledge of objective measuring techniques and their interrelationships may sometimes be cause not to accomplish suggested analysis. That negative reaction must also be construed as a benefit derived from this product.

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5. Action

- 5.1 APSD/ISAB - Specify capabilities relative to handbook.
- 5.2 APSD - Outline desired initial inventory of analytical techniques.
- 5.3 APSD/AID - Jointly define schedule for implementation of techniques decided upon in 5.2 above.
- 5.4 APSD/ISAB - Test all programs considered to be operational.
- 5.5 APSD/IEB - Conduct analysis on operational material to test logic of data generated by operational programs and test correlation with subjective analysis results.
- 5.6 APSD/IEB - Review analysis S.O.P.s for possible implementation of "proven" objective analysis techniques.
- 5.7 APSD/IEB - Task each project officer to familiarize himself with stated procedures and be aware of the reference value of the document.
- 5.8 APSD/IEB - Supervisors employ pertinent documented procedures to support special studies on ad hoc basis.
- 5.9 APSD/IEB & ISAB - Use document for training value.

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5.10 APSD - Distribute document to prime customers explaining prevailing capabilities.

5.11 APSD - Distribute handbook to Center management with explanation of APSD plans relative to outlined procedures.

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Image Evaluation Branch  
APSD/TSSG/NPIC

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